



# Saxby Chambliss

UNITED STATES SENATOR

GEORGIA

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## Fiscal Year 2011 Federal Funding Requests

WASHINGTON – U.S. Senator Saxby Chambliss, R-Ga., today announced the federal funding requests for Georgia projects he has submitted to the Senate Appropriations Committee.

Requests for each department are listed in alphabetical order. This list will be updated as Sen. Chambliss submits additional requests to the Senate Appropriations Committee.

### ARMED SERVICES

**Item:** Advanced Carbon Hybrid Battery for Hybrid Electric Vehicle  
**Request:** \$2.2 million  
**Suggested Recipient:** Exide Technologies, Milton, GA  
**Suggested Location of Performance (major portion of the work):** Milton, GA and Columbus, GA

**Purpose/Project Description:** This project would fund the research, development and engineering of advanced storage batteries that are targeted for hybrid electric vehicles, idle reduction commercial vehicles, and military vehicles to support new and expanding mission-critical demands. The resultant Exide produced advanced PbA batteries will enable and enhance affordable reduced fuel consumption vehicles and other “green” initiatives that will result in significant fuel and emission savings in the range of 5 to 15 percent, depending on specific application.

**Item:** Advanced Trauma Care Simulation for Georgia National Guard “CERFP” Personnel  
**Request:** \$3.5 million  
**Suggested Recipient:** Medical Center of Central Georgia  
**Suggested Location of Performance (major portion of the work):** Medical Center of Central Georgia, Macon, GA

**Purpose/Project Description:** Because the CBRNE Enhanced Response Force Package (CERFP) concept is relatively new, these teams lack specific training programs geared to domestic disasters. This project will allow Guardsmen and women to maintain a high level of readiness to treat serious trauma injuries while making the most efficient use of their limited training time.

**Item:** Air Force Supply Chain Innovation Initiative

**Request:** \$7.9 million

**Suggested Recipient:** Aging Aircraft Consulting, LLC, Warner Robins, GA

**Suggested Location of Performance (major portion of the work):** Aging Aircraft Consulting, LLC, Warner Robins, GA / Logistics Specialties, Inc, Layton UT and Oklahoma City, OK / PAL Services, Inc., Richmond, VA

**Purpose/Project Description:** The Air Force Supply Chain Innovation Initiative (SCII) is designed to markedly improve the manner in which the Global Logistics Support Center (GLSC) carries out its supply chain mission. Through proven collaborative techniques, it establishes a virtual resource comprised of representatives of leading supply chain experts, thought leaders, and innovators across government, industry, academia, and the vendor community. This effort will improve efficiency in Air Force logistics and help meet the needs of our warfighters.

**Item:** Airlift Maintenance Partnering Development Program

**Request:** \$3.0 million

**Suggested Recipient:** Goodrich Corporation

**Suggested Location of Performance (major portion of the work):** Robins Air Logistics Center, Warner Robins, GA

**Purpose/Project Description:** This project will create of a Public Private Partnership program with Goodrich Sensors and Integrated Systems (SIS) at Warner Robins ALC for maintenance, repair, and overhaul support and sustain to various airlift aircraft (C-130, C-17, C-5).

**Item:** Air National Guard (ANG) Joint Threat Emitter (JTE)

**Request:** \$7.5 million

**Suggested Recipient:** Savannah Combat Readiness Training Centers (CRTC)

**Suggested Location of Performance (major portion of the work):** Savannah, GA

**Purpose/Project Description:** The JTE has the capability to generate six modern threats from one platform and replaces more expensive, single-threat-per-platform units, which are more costly to support and do not have the flexibility to generate modern combat environments. This effort will provide better training for our service members prior to deployment.

**Project Name:** Army Continuing Education Center

**Request:** \$12.8 million

**Project Location:** Hunter Army Airfield, GA

**Project Description:** This project is required to expand educational opportunities for Soldiers and Families at Hunter AAF. The closest Army education center for HAAF Soldiers and Family Members is 43 miles away at Fort Stewart. HAAF has over 6,700 permanent party Soldiers stationed there with their Family Members.

**Project Name:** B-2 EHF SATCOM Program

**Request:** language only  
**Project Location:** Various  
**Project Description:** This language would require the Secretary of the Air Force to initiate a dual track development program for the B-2 Extremely High Frequency (EHF) satellite communications (SATCOM) antenna in order to mitigate performance, schedule, and cost risk.

**Item:** Biometrics and Forensics  
**Request:** \$2.8 million  
**Suggested Recipient:** Janus Research Group, Inc.  
**Suggested Location of Performance (major portion of the work):** Janus Research Group, Inc., Appling, GA

**Purpose/Project Description:**  
The Army has identified a critical requirement for training support to enhance employment of Biometric and Forensic capability sets. Training support will directly assist our warfighter's capability to employ emerging capability sets, specifically Detainee Information Management System – Fusion (DIMS-F) and Multilingual Automated Registration System (MARS), development of other emerging capabilities, doctrine capturing and detailed training support.

**Item:** Center for Vaccine Scale-Up/Processes Research  
**Request:** \$1.7 million  
**Suggested Recipient:** Georgia State University, Atlanta, GA  
**Suggested Location of Performance (major portion of the work):** Georgia State University, Atlanta, GA

**Purpose/Project Description:** Current vaccine manufacturing is based on growing virus in live, fertilized chicken eggs. An alternative in influenza vaccine development using a different kind of process – produced recombinantly in bacteria – is viable and desirable for selected vaccines of military interest. Georgia State University has confirmed that this technology can rapidly produce extremely large quantities of either seasonal flu vaccine doses or H1N1 vaccine doses using modestly sized fermenters within a very short time frame. This funding would develop technologies to rapidly develop recombinant vaccines of interest to the military.

**Item:** Cognitive Map-Based Modeling and Simulation for Tactical Decision Support  
**Request:** \$2.0 million  
**Suggested Recipient:** Columbus State University  
**Suggested Location of Performance (major portion of the work):** Columbus State University  
**Purpose/Project Description:** This program will benefit the DOD and the Warfighter by utilizing map-based modeling and simulation to support tactical decision making by military planners in training and operational scenarios. The FY11 funding would be used for the continued development of modeling and simulation infrastructure at CSU.

**Item:** Combat Skills Marksmanship Trainer (CSMT)  
**Request:** \$6.0 million  
**Suggested Recipient:** Meggitt Training Systems, Inc., Suwanee, GA  
**Suggested Location of Performance (major portion of the work):** Suwanee, GA

**Purpose/Project Description:** All Army Guardsmen are trained on CSMT systems annually as part of their annual weapons qualification training, due to lack of easy access to live fire ranges. This funding will meet the Army National Guard's immediate requirement to supply its soldiers with newer and more advanced training technology, since simulators are an integral part of the training requirement.

**Item:** Commissary at Dobbins Air Reserve Base

**Request:** \$20 million

**Suggested Recipient:** Defense Commissary Agency

**Suggested Location of Performance (major portion of the work):** Dobbins Air Reserve Base

**Purpose/Project Description:** Since the commissaries at Gillem and McPherson will close in FY11 and the commissary at Dobbins is not scheduled to be built for several more years, at this point there will be a several year period during which there will be no commissary in metro-Atlanta. These funds would be used to accelerate construction of the already approved Commissary at Dobbins Air Reserve Base which will serve the military community of metro-Atlanta.

**Item:** Composite Tissue Transplantation for Combat Wound Repair

**Request:** \$2,000,000

**Suggested Recipient:** Emory University Hospital

**Suggested Location of Performance (major portion of the work):** Emory Transplant Center, Emory University Hospital, Atlanta, GA

**Purpose/Project Description:** Transplantation technologies have recently been adapted to replace peripheral tissues, such as hands lost to trauma. The transplantation approach has been termed Composite Tissue Allotransplantation (CTA). It merges advanced surgical and immunological management and stands poised to provide curative repair for service men and women sustaining limb and tissue loss due to trauma. This effort would directly address the needs of wounded warriors.

**Project Name:** Control Tower/Base Ops Complex

**Request:** \$9.4 million

**Project Location:** Robins Air Force Base, GA

**Project Description:** This funding will construct a control tower to rectify the control tower cab space limitations, meet current mission requirements, and increase air traffic controller mobility. Funding will also construct a new Base Operations Complex to consolidate the base weather, air traffic control and landing system maintenance, host aviation records management, transient alert and staff offices along with the Control Tower into one consolidated location.

**Item:** DDG-51 Helo Hangar Door Upgrades

**Request:** \$3.6 million

**Suggested Recipient:** Jered, LLC, Brunswick, GA

**Suggested Location of Performance (major portion of the work):** Brunswick, GA and various other ports

**Purpose/Project Description:** DDG-51 helo hangar doors are failing at sea at an alarming rate, thus preventing the ship from being able to launch and recover its embarked helicopter. The DDG-51 Helo Hangar Door Upgrade Program will dramatically improve the

performance of the helo hangar door through the procurement of upgrade kits and increased spare parts.

**Item:** High Laser Damage Resistance Optical Coatings

**Request:** \$3.2 million

**Suggested Recipient:** Valdosta Optics Lab

**Suggested Location of Performance (major portion of the work):** Valdosta, GA

**Purpose/Project Description:** Directed energy weapons laser systems require optical coatings that tolerate high laser fluctuations. Valdosta Optics Laboratory, Inc. (VOLI) has invented a multi-functional optical coating system based on diamond-like carbon (DLC) for high energy, high power solid state laser applications. VOLI's optical coating system will result in improved energy efficiency, thermal management, compactness and output laser beam quality for high energy lasers.

**Item:** KC-130J

**Request:** \$79.0 million

**Suggested Recipient:** Lockheed Martin, Marietta, GA

**Suggested Location of Performance (major portion of the work):** Marietta, GA

**Purpose/Project Description:** These funds would procure one KC-130J tanker aircraft for the Marine Corps. The KC-130J are being used extensively in Iraq and Afghanistan to refuel Navy and Marine Corps aircraft. This additional aircraft was included on the Marine Corps FY11 Unfunded Programs List and will help ensure the readiness and operations for our deployed forces and their equipment in the combat theater.

**Item:** Low-Cost Miniature Radar for Hidden IED Detection

**Request:** \$6.0 million

**Suggested Recipient:** Aurum Platforms, Inc., Valdosta, GA

**Suggested Location of Performance (major portion of the work):** Aurum Platforms, Inc., Valdosta State University, and Valdosta Technical College

**Purpose/Project Description:** This program builds on existing patented Aurum Platforms Inc. radar prototype, to enable near-term deployment of U.S. Military fieldable, low-cost, miniature, radar-based improvised explosive device (IED) detection sensors to enable safe neutralization of this largest threat to U.S. soldiers. This project enables a lower cost alternative to detection of IED threats which injure and kill scores of U.S. soldiers.

**Item:** Maritime ISR Technology Center (MISRTC)

**Request:** \$6.0 million

**Suggested Recipient:** Georgia Institute of Technology, Atlanta, GA

**Suggested Location of Performance (major portion of the work):** Georgia Institute of Technology and various other locations

**Purpose/Project Description:** This program is in the interest of taxpayers because the threat posed from the maritime domain is real and recognized. The MISRTC will evolve maritime threat systems capabilities, demonstrate low-tech modifications to threat platforms that would defeat potential defensive measures, demonstrate capabilities for recognizing threat indications and warning, explore maritime ISR countermeasure technologies, provide insights into the

capabilities and shortfalls of systems of record, proposed gap fillers, and emerging technologies, and foster interagency information exchange and collaboration.

**Item:** Micro-Asymmetric Covert Waveform Radio (Micro-ACWR)

**Request:** \$4.8 Million

**Suggested Recipient:** Scientific Research Corporation

**Suggested Location of Performance (major portion of the work):** Atlanta, GA

**Purpose/Project Description:** Funding for this program will help develop a very small, low-cost and low-power radio that hosts the full transmit portion of the covert communications waveform with a limited receive portion, called a Micro-Asymmetric Covert Waveform Radio (Micro-ACWR). The Micro-ACWR device will be smaller in size, have better covertness and be much less expensive in production quantities than the current devices used for these missions and thus afford the warfighter better protection and reduce the cost for the taxpayers.

**Project Name:** Moody Fire/Crash Rescue Station

**Request:** \$10.7 million

**Project Location:** Moody Air Force Base, GA

**Project Description:** These funds will help Moody AFB acquire adequate fire protection capabilities for aircraft and facilities. Currently, Moody's lack of apparatus drive through bays increases structural response times by 2 minutes.

**Item:** Next Generation Automatic Test System (NGATS) Product Improvement Program

**Request:** \$3.0 million

**Suggested Recipient:** Southwest Research Institute, Warner Robins, GA

**Suggested Location of Performance (major portion of the work):** Warner Robins, GA

**Purpose/Project Description:** The current NGATS testing efficiency will not support the Army's growing demands. This funding will meet the army's goals of increasing mission availability of weapons systems by reducing repair times 25% to 50%, incorporating NGATS into the Army and DoD net-centric environments, using data available within the net-centric environment to increase tester efficiency and enable easy exchange of information between testers, and reducing projected costs of fielding and maintaining NGATS by allowing the Army to support our troops with fewer NGATS stations.

**Item:** Protein Hydrogel for Surgical Repair of Battlefield Injuries

**Request:** \$6.5 million

**Suggested Recipient:** CryoLife, Inc., 1655 Roberts Blvd NW, Kennesaw, GA 30144

**Suggested Location of Performance (major portion of the work):** CryoLife, Inc. and Various Hospitals across the USA

**Purpose/Project Description:** CryoLife has developed a formulation for an expanding, adhesive, foam sealant, known as BioFoam Protein Hydrogel which would provide military surgeons with a tool that achieves better sealing, faster hemostasis and improved soldier survival rates. The funds will be used to pay for the cost of the clinical trial required for product approval by FDA.

**Project Name:** Qualification Training Range

**Request:** \$8.4 million

**Project Location:** Fort Gordon, GA

**Project Description:** This funding will construct a Qualification Training Range which is used to train and test soldiers on the skills necessary to detect, identify, engage, and defeat stationary and moving infantry targets and stationary armor targets in a tactical array with their prescribed weapons.

**Item:** Rapid Audio Intelligence and Decision (RAID) Tool

**Request:** \$5.0 million

**Suggested Recipient:** Nexidia Inc. and Sierra-Nevada Corporation

**Suggested Location of Performance (major portion of the work):** Atlanta, GA and San Antonio, Texas

**Purpose/Project Description:**

Nexidia provides the ability to search and identify any spoken words or phrases and is built on a scalable architecture with a very small footprint that allows hundreds or thousands of lines to be monitored simultaneously on existing hardware.

**Item:** ROTC and Reserve Component Strategic Language HUB Pilot

**Request:** \$1.25 million

**Suggested Recipient:** North Georgia College and State University

**Suggested Location of Performance (major portion of the work):** North Georgia College and State University, Dahlonega, GA

**Purpose/Project Description:** Funding for this initiative is designed to graduate and commission significant numbers of ROTC students with advanced proficiency in DoD designated critical languages. It is also designed to meet unresourced Reserve Component (RC) critical language requirements for both basic and advanced language training in combination with the ROTC initiative.

**Item:** Suspended Harness Utilization Training Environment

**Request:** \$4.0 million

**Suggested Recipient:** Institute for Creative Technologies, Marina del Rey, CA

**Suggested Location of Performance (major portion of the work):** Marina del Rey, CA and Fort Benning, GA

**Purpose/Project Description:** This request would provide an interactive, versatile supplement to existing instruction for new trainees entering the Tower Week phase of their Airborne training, with a focus on providing a realistic sensory experience, while comparing and conforming trainees' physical and cognitive performance to expert standards. Using cutting edge sensory immersion, graphics, and an interface based on the proven Suspension Harness Trainer (SHT) system, SHUTE's performance objectives include increased transfer and retention of crucial flight-time skills, improved safety, and increased Jump Week ascension rates.

**Item:** T56 Series 3.5 Engine Upgrade Kit

**Request:** \$4.1million

**Suggested Recipient:** Rolls-Royce Corporation

**Suggested Location of Performance (major portion of the work):** Douglas, GA and Indianapolis, IN

**Purpose/Project Description:** The Department of Defense will operate an extensive fleet of T56 engines for the next twenty years. This kit reduces the total operating cost of T56 powered equipment by reducing fuel consumption by 8% and increasing time between turbine maintenance by greater than 30%. This will increase engine and aircraft availability to our men and women in uniform.

**Item:** Technology Development for Quiet Tactical UAV

**Request:** \$4.0 million

**Suggested Recipient:** Georgia Institute of Technology, Atlanta, GA

**Suggested Location of Performance (major portion of the work):** Georgia Tech, Fort Stewart and Benning, and Warner Robins AFB

**Purpose/Project Description:** In the proposed program, technologies will be developed to make tactical UAVs less detectable and better performing. The objective is to demonstrate a UAV that can operate in a stealthy manner that facilitates mission effectiveness.

**Item:** Telehealth Outreach for Psychological Services (TOPS)

**Request:** \$1.8 million

**Suggested Recipient:** Phoebe Putney Health System, Albany, GA 31701

**Suggested Location of Performance (major portion of the work):** Various

**Purpose/Project Description:** The proposed project would serve as a model for linking community mental health providers with military health professionals to increase the availability of mental health services to soldiers and veterans in need.. The use of early intervention through telemedicine may also lower overall healthcare costs, both to Georgia and the nation as a whole. This project will help meet the needs of wounded warriors.

**Project Name:** Weapons Storage Facility

**Request:** \$9.9 million

**Project Location:** MCLB Albany, GA

**Project Description:** This funding will help MCLB have secure storage commensurate with current Anti-Terrorism/Force Protection guidelines. It will also help prevent the degradation of supplies and minimize maintenance costs while processing through storage, maintenance, and distribution function.